

L Number	Hits	Search Text	DB	Time stamp
42	12080	(polypropylene adj glycol) same (weight)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 10:48
43	986	<i>Do NOT Remove</i> ((polypropylene adj glycol) same (weight)) and (resist photoresist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 10:48
44	1	commerical near (polypropylene adj glycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 12:40
45	2450	(molecular adj weight) near (polypropylene adj glycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/24 12:49
48	2197	(molecular adj weight) near (polypropylene adj glycol)	USPAT	2003/07/24 13:03
49	3	((molecular adj weight) near (polypropylene adj glycol)) and (430/270.1.ccls.)	USPAT	2003/07/24 12:51
50	68	((molecular adj weight) near (polypropylene adj glycol)) and (430/\$.ccls.)	USPAT	2003/07/24 13:08
51	65	((molecular adj weight) near (polypropylene adj glycol)) and (430/\$.ccls.) not (((molecular adj weight) near (polypropylene adj glycol)) and (430/270.1.ccls.))	USPAT	2003/07/24 13:02
52	159	(molecular adj weight) near (polypropylene adj glycol) same(plasticizer surfactant additive)	USPAT	2003/07/24 13:03
53	159	(molecular adj weight) near (polypropylene adj glycol) same (plasticizer surfactant additive)	USPAT	2003/07/24 13:07
55	1	((molecular adj weight) near (polypropylene adj glycol) same (plasticizer)) and (430/\$.ccls.)	USPAT	2003/07/24 13:17
54	41	(molecular adj weight) near (polypropylene adj glycol) same (plasticizer)	USPAT	2003/07/24 13:16
56	495	(molecular adj weight) near (plasticizer)	USPAT	2003/07/24 13:16
57	24	((molecular adj weight) near (plasticizer)) and (430/\$.ccls.)	USPAT	2003/07/24 14:40
58	0	jp-10048826-\$.did.	USPAT	2003/07/24 14:42
59	0	jp-100048826-\$.did.	USPAT	2003/07/24 14:42
60	0	jp-08354985-\$.did.	USPAT	2003/07/24 14:43
61	0	jp-1998048826\$.did.	USPAT	2003/07/24 14:43
-	2	("20020147259").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:04
-	3776	hydroxystyrene	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:50
-	58	2-ethyl-2-adamantyl adj (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:50
-	5	2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:50
-	73	\$9adamantyl\$4acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:50
-	16255	(acid photoacid) near generat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 08:33

-	32959	polypropylene adj glycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:06
-	1789	polypropyleneglycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:06
-	34231	(polypropylene adj glycol) polypropyleneglycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 08:30
-	59	(2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:06
-	26	((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)) and hydroxystyrene	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:07
-	26	((((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)) and hydroxystyrene) and ((acid photoacid) near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:07
-	26	(((((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)) and hydroxystyrene) and ((polypropylene adj glycol) polypropyleneglycol)) (((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)) and hydroxystyrene) and ((acid photoacid) near generat\$3)) (((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)) and hydroxystyrene) and ((polypropylene adj glycol) polypropyleneglycol)) and ((acid photoacid) near generat\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:07
-	1	(((((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)) and hydroxystyrene) and ((polypropylene adj glycol) polypropyleneglycol)) and ((acid photoacid) near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:35
-	1	((((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate)) and hydroxystyrene) and ((polypropylene adj glycol) polypropyleneglycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/22 16:31
-	34231	(polypropylene adj glycol) polypropyleneglycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:51
-	2677	((polypropylene adj glycol) polypropyleneglycol) and (resist photoresist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 09:59
-	16255	(acid photoacid) near generat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 08:34
-	157	((polypropylene adj glycol) polypropyleneglycol) and (resist photoresist)) and ((acid photoacid) near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 08:34
-	8034	PGMEA (propyleneglycolmonomethyl adj ether) (propylene adj glycol adj \$4methyl adj ether)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 08:38

-	86	((((polypropylene adj glycol) polypropyleneglycol) and (resist photoresist)) and ((acid photoacid) near generat\$3)) not (PGMEA (propyleneglycolmonomethyl adj ether) (propylene adj glycol adj \$4methyl adj ether))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 09:55
-	992	(polypropylene adj glycol) same (plasticizer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 09:55
-	122	((polypropylene adj glycol) same (plasticizer)) and (resist photoresist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:01
-	114	((polypropylene adj glycol) same (plasticizer)) and (resist photoresist)) not (((polypropylene adj glycol) polypropyleneglycol) and (resist photoresist)) and ((acid photoacid) near generat\$3)) not (PGMEA (propyleneglycolmonomethyl adj ether) (propylene adj glycol adj \$4methyl adj ether)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:01
-	4	((((polypropylene adj glycol) same (plasticizer)) and (resist photoresist)) not (((polypropylene adj glycol) polypropyleneglycol) and (resist photoresist)) and ((acid photoacid) near generat\$3)) not (PGMEA (propyleneglycolmonomethyl adj ether) (propylene adj glycol adj \$4methyl adj ether)))) and ((acid photoacid) near generat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:19
-	0	jp-100448826-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:19
-	0	jp-1000448826-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:19
-	0	jp-100448826-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:19
-	0	jp-10448826-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:25
-	1	jp-2881969-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:25
-	2	("6548220").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 10:33
-	500	NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:44

-	222	(NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 13:42
-	3776	hydroxystyrene	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:50
-	58	2-ethyl-2-adamantyl adj (methacrylate acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:50
-	5	2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:50
-	73	\$9adamantyl\$4acrylate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:51
-	34231	(polypropylene adj glycol) polypropyleneglycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:52
-	13	((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) AND hydroxystyrene AND ((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate) \$9adamantyl\$4acrylate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:52
-	1	((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) AND hydroxystyrene AND ((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate) \$9adamantyl\$4acrylate) AND ((polypropylene adj glycol) polypropyleneglycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:52

-	12	(((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) AND hydroxystyrene AND ((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate) \$9adamantyl\$4acrylate)) NOT (((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) AND hydroxystyrene AND ((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate) \$9adamantyl\$4acrylate)) AND ((polypropylene adj glycol) polypropyleneglycol))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 12:52
-	21	(((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) and hydroxystyrene	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 13:43
-	9	(((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) and hydroxystyrene) not (((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) AND hydroxystyrene AND ((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate) \$9adamantyl\$4acrylate)) NOT (((NAMBA-K NAMBA-KATSUHIKO NAMBA-KATSUHIRO NAMBA-KAZUHIRO NAKANISHI-JUN NAKANISHI-JUNJI NAKANISHI-JUNJI-C-O-MITSUBISHI NAKANISHI-JUNJI-DOW-CORNING-TO NAKANISHI-JUNJI-RES-AND-DEV-DE NAKANISHI-JUNJI-TORAY-DOW-CORN UETANI-Y UETANI-YASUNORI UETANI-YASUYOSHI) AND (RESIST PHOTORESIST)) AND hydroxystyrene AND ((2-ethyl-2-adamantyl adj (methacrylate acrylate)) (2-ethyl-2-adamantylmethacrylate 2-ethyl-2-adamantylacrylate) \$9adamantyl\$4acrylate)) AND ((polypropylene adj glycol) polypropyleneglycol))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 13:56

-	0	wo-20046640-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 13:56
-	1	wo-200046640-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 14:48
-	7	((("6517994") or ("2003017415") or ("2003082926"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 14:49
-	4	((("6517994") or ("20030017415") or ("20030082926"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 15:29
-	0	(cylcohexyl adj group) same (acid adj cleavable)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/07/23 15:44

Patent Assignment Abstract of Title

Total Assignments: 1

Applicati n #: 10084182

Filing Dt: 02/28/2002

Patent #: NONE

Issue Dt:

PCT #: NONE

Publication #: NONE

Pub Dt:

Inventors: Junji Nakanishi, Katsuhiko Namba, Masumi Suetsugu

Title: Chemical amplifying type positive resist composition

Assignment: 1

Reel/Frame: 012633/0764

Received:
03/08/2002

Recorded:
02/28/2002

Mailed:
04/30/2002

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

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Exec Dt: 02/22/2002

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Search Results as of: 7/24/2003 10:12:36 A.M.

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Web interface last modified: Oct. 5, 2002



Polypropylene Glycols and Copolymers North America Products

Polypropylene Glycols (PPGs)

Overview

Polypropylene glycols are polymers of propylene oxide. They are clear, viscous liquids with low pour points. Viscosity increases and water solubility decreases with increasing molecular weight.

DOW P-series polyglycols are linear polymers containing two terminal hydroxyl groups. DOW PT-series polyglycols are glyceryl ether polymers containing three terminal hydroxyl groups.

Properties¹

Polypropylene Glycol	CTFA Nonmenclature	Molecular Weight	Specific Gravity ² @25/25° C	Average Viscosity ³ , cSt @40°C	Pour Point, °C	Refractive Index ⁴ @ 25°C	Density lb/gal @ 25°C
PT250		250	1.091	285	-18	1.459	9.07
PT700	PPG-10	700	1.033	108	-32	1.453	8.59
PT3000	PPG-55	3000	1.010	235	-27	1.451	8.40
P425	PPG-9	425	1.007	33	-45	1.447	8.39
P1000TB ^{††}	PPG-17	1000	1.005	78	-25	1.448	8.38
P1200 ^{††}	PPG-20	1200	1.003	91	-40	1.448	8.38
P2000 ^{††}	PPG-26	2000	1.002	160	-30	1.449	8.34
P3000TB		3000	1.003	255	-28	1.448	8.35
P4000 ^{††}	PPG-30	4000	1.004	455	-26	1.450	8.36

^{††} Kosher certified products

¹ Typical properties, not to be construed as specifications.

² ASTM D 892

³ ASTM D 445/446

⁴ ASTM D 1218

Details

For additional information regarding any DOW polypropylene glycol products, please contact your local distributor.

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